

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/007907A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B27/32 G11B27/034

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 085 515 A (SONY CORP) 21 March 2001 (2001-03-21) paragraph '0003! - paragraph '0007! paragraph '0013! - paragraph '0062!; figures	1-13
X	WO 02/056587 A (HIRABAYASHI MITSUHIRO ; SONY CORP (JP); YAMADA MAKOTO (JP); TSUJII SAT) 18 July 2002 (2002-07-18)	1,4-13
Y P,X	abstract -& US 2003/133695 A1 (HIRABAYASHI MITSUHIRO ET AL) 17 July 2003 (2003-07-17)	2,3 1,4-13
P,Y	paragraph '0083! - paragraph '0115!; figures 1-6,13	2,3
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

20 August 2004

Date of mailing of the International search report

31/08/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx: 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

D'Attilia, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/007907

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/104016 A (YAMAGUCHI TAKAYOSHI ; KIYAMA JIRO (JP); IWANO YURI (JP); SHARP KK (JP)) 27 December 2002 (2002-12-27) abstract	1-13
P,A	-& EP 1 408 687 A (SHARP KK) 14 April 2004 (2004-04-14) paragraph '0031! - paragraph '0065!; figures 1-10 -----	1-13
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) & JP 9 213056 A (SHARP CORP), 15 August 1997 (1997-08-15) abstract -----	1,4-13
Y		2,3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/JP2004/007907

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1085515	A	21-03-2001	JP CN EP	2001084705 A 1289124 A 1085515 A2		30-03-2001 28-03-2001 21-03-2001
WO 02056587	A	18-07-2002	JP EP WO US	2002281443 A 1353508 A1 02056587 A1 2003133695 A1		27-09-2002 15-10-2003 18-07-2002 17-07-2003
US 2003133695	A1	17-07-2003	JP EP WO	2002281443 A 1353508 A1 02056587 A1		27-09-2002 15-10-2003 18-07-2002
WO 02104016	A	27-12-2002	EP WO	1408687 A1 02104016 A1		14-04-2004 27-12-2002
EP 1408687	A	14-04-2004	EP WO	1408687 A1 02104016 A1		14-04-2004 27-12-2002
JP 9213056	A	15-08-1997		NONE		